

Substitute for *Information Disclosure Statement by Applicant*INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

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Sheet 1

of 4

## Complete if Known

Application Number	10/796,529
Filing Date	March 8, 2004
First Named Inventor	Schinazi, et al.
Group Art Unit	Unassigned
Examiner Name	Unassigned

Attorney Docket Number 18085.105232 EMU 2000 CON2

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## U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
JR	AA	4,000,137	A	Dvonch, et al.	12-28-1976	
	AB	4,211,773	A	Lopez et al.	07-08-1980	
	AC	4,336,381	A	Nagata et al.	06-22-1982	
	AD	4,625,020	A	Brundidge et al.	11-25-1986	
	AE	4,666,892	A	Fox et al.	05-19-1987	
	AF	4,908,440	A	Sterzycki, et al.	03-13-1990	
	AG	5,034,518	A	Montgomery et al.	07-23-1991	
	AH	5,128,458	A	Montgomery et al.	07-09-1992	
	AI	5,210,085	A	Liotta, et al.	05-11-1993	
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	AL	5,426,183	A	Kjell et al.	06-20-1995	
	AM	5,446,029	A	Eriksson et al.	08-29-1995	
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	AO	5,565,438	A	Chu et al.	10-15-1996	
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	AQ	5,587,362	A	Chu et al.	12-24-1996	
	AR	5,703,058	A	Schinazi et al.	12-30-1997	
	AS	5,808,040	A	Chu, et al.	09-15-1998	
	AT	5,817,799	A	Marquez, et al.	10-06-1998	
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	AW	6,103,707	A	Yamada, et al.	08-15-2000	
	AX	6,147,058	A	Yoshimura, et al.	11-14-2000	
	AY	6,232,300	B1	Schinazi, et al.	05-15-2001	
	AZ	6,348,587	B1	Schinazi et al.	02-19-2002	
	AAA	6,407,077	B1	Gosselin, et al.	06-18-2002	
	AAB	6,458,773	B1	Gosselin, et al.	10-01-2002	
JR	AAC	2002-0198171	A1	Schinazi et al.	12-26-2002	

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Sheet 2 of 4

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## FOREIGN PATENT DOCUMENTS

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		Office	Number	Kind Code (if known)				
JR	BA	EP	0,292,023	A2	Hoffman-LaRoche	05-24-1988		
	BB	EP	0,316,017	A2	Sterzycki et al.	05-17-1989		
	BC	EP	0,357,571	B1	Medivir Aktiebolag	04-03-1996		
	BD	EP	0,382,526	A2	IAF Biochem International	08-18-1990		
	BE	EP	0,409,227	A2	Akad. Wissenschaften der DDR	01-23-2991		
	BF	EP	0,463,470	A2	Hoffman-LaRoche	01-02-1992		
	BG	EP	0,839,813	A1	Yamasa Corp.	05-06-1998		
	BH	WO	88/08001	A1	Aktiebolaget Astra	10-20-1988		
	BI	WO	91/11186	A1	Emory University	08-08-1991		
	BJ	WO	92/08727	A1	Consig. Naz. Ricerche	05-29-1992		
	BK	WO	92/14743	A2	Emory University	09-03-1992		
	BL	WO	94/14831	A1	Univ. of Alberta	07-07-1994		
	BM	WO	95/20595	A1	Univ. Georgia Res. Found., Yale Univ.	08-03-1995		
	BN	WO	96/22778	A1	Emory University	08-01-1996		
	BO	WO	96/40164	A1	Emory Univ.; UAB R.F.; C.N.R.S.	12-19-1996		
	BP	WO	97/28177	A1	Amersham International P.L.C.	08-07-1997		
	BQ	WO	97/37993	A1	Yamasa Corporation	10-16-1997		
	BR	WO	98/18430	A2	Univ. North Carolina Chapel Hill	05-07-1998		
JR	BS	WO	99/43691	A1	Emory Univ.; Univ. Georgia R. F.	09-02-1999		

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Sheet 3 of 4 Attorney Docket Number 18085.105232 EMU 2000 CON

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First Named Inventor	Schinazi, et al.
Group Art Unit	Unassigned
Examiner Name	Unassigned

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## OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
JR	CA	BALAKRISHNA, P.S., et al., "Inhibition of Hepatitis B. Virus by a Novel L-Nucleoside, 2'-Fluoro-5-Methyl- -L- arabinofuranosyl Uracil," <i>Antimicrobial Agents and Chemotherapy</i> , 40(2):380-386 (February 1996).	
JR	CB	BORTHWICK, et al., "Synthesis and Enzymatic Resolution of Carbocyclic 2'-Ara-fluoro-Guanosine; A Potent New Anti-Herpetic Agent," <i>J. Chem Soc., Chem. Commun.</i> , (1988).	
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JR	CD	CHENG, et al., "Deoxycytidine deaminase-resistant stereoisomer is the active form of (+/-)-2',3'-dideoxy-3'-thiacytidine in the inhibition of hepatitis B virus replication," <i>Journal of Biological Chemistry</i> , Volume 267(20):13938-13942 (July 1992).	
JR	CE	CHU, et al., "Use of 2'-Fluoro-5-methyl- -L-arabinofuranosyluracil as a Novel Antiviral Agent for Hepatitis B. Virus and Epstein-Barr Virus" <i>Antimicrobial Agents and Chemotherapy</i> , 39(4):979-981 (April 1995).	
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JR	CG	JEONG, L.S., et al., "Facile Fluorination of Deoxy-4'-thiopyrimidine Nucleosides with 'Down' Hydroxyl Groups. Retention of Configuration After Fluoride Opening of the Quaternized N <sup>3</sup> -MEM Anhydronucleosides," <i>Tetrahedron Letters</i> , 35(41):7573-7576 (1994).	
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JR	CI	MACHIDA, H., et al., "Anti-herpesvirus activity profile of 4'-thioarabinofuranosyl purine and uracil nucleosides and activity of 1-beta-D-2'-fluoro-4'-thioarabinofuranosyl guanine and 2,6-diaminopurine against clinical isolates of human cytomegalovirus." <i>Antiviral Res.</i> , 39(2):129-137 (August, 1998).	
JR	CJ	MARQUEZ, V.E., et al., <i>Nucleosides &amp; Nucleotides</i> , 14(3-5):555-558 (1995).	
JR	CK	MARTIN, et al., "Synthesis and Antiviral Activity of Monofluoro and Difluoro Analogues of Pyrimidine Deoxyribonucleosides against Human Immunodeficiency Virus (HIV-1), <i>J. Med. Chem.</i> , 33:2137-2145 (1990).	

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Sheet 4 of 4 Attorney Docket Number 18085.105232 EMU 2000 CON

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JR	DA	MONTGOMERY, J.A., <i>et al.</i> , "9-(2-Deoxy-2-fluoro-β-D-arabinofuranosyl)guanine: A Metabolically Stable Cytotoxic Analogue of 2'-Deoxyguanosine," <i>J. Med. Chem.</i> , 29(11):2389-2392 (November 1986).	
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JR	DC	OKABE, M., <i>et al.</i> , "Synthesis of 1-(2,3-Dideoxy-2-fluoro-β-D-threo-pentofuranosyl)cytosine (F-ddC). A Promising Agent for the Treatment of Acquired Immune Deficiency Syndrome," <i>J. Org. Chem.</i> 56:4392-4397 (February 1991).	
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JR	DG	STERZYCKI, <i>et al.</i> , "Synthesis and Anti-HIV Activity of Several 2'-Fluoro-Containing Pyrimidine Nucleosides," <i>J. Med. Chem.</i> , 33(8):2150-2157 (August 1990).	
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JR	DI	TOYOTA, A., <i>et al.</i> , <i>Tetrahedron</i> , 51(32):8783-8798 (1995).	
JR	DJ	Van AERSCHOT, A., <i>et al.</i> , "3'-Fluoro-2',3'-dideoxy-5-chlorouridine: Most Selective Anti-HIV-1 Agent among a Series of New 2'- and 3'-Fluorinated 2',3'-Dideoxynucleoside Analogues.", <i>J. Med. Chem.</i> 32(8):1743-1749 (August 1989).	
JR	DK	WANTANABE, <i>et al.</i> , "Synthesis and Anti-HIV Activity of 2'-Up-Fluoro Analogues of Active Anti-Aids Nucleosides 3'-Azido-3'-deoxythymidine (AZT) and 2', 3'-dideoxycytidine (DDC)," <i>J. Med. Chem.</i> , 33:2145-2150 (1990).	
JR	DL	YOAHIMURA, Y., <i>et al.</i> , <i>J. Org. Chem.</i> , 64:7912-7920 (1999).	

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